

# **Indiana 2009 Five-Percent Report**

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## **1.0 Introduction**

The federal transportation act, SAFETEA-LU, created the Highway Safety Improvement Program (HSIP) as a new core federal aid funding source with the purpose of reducing traffic fatalities and serious injuries. All states are required to submit an annual report describing not less than five percent of their highway locations exhibiting the most severe safety needs. The intent of this provision is to increase public awareness of the highway safety needs and challenges around the country.

There are approximately 96,300 miles of public roads in Indiana on which total travel per year is nearly 74 billion miles. State roads, U.S. highways, and interstates (those on the state (INDOT)-jurisdictional network) make up about 11,200 miles of that total, or roughly 12 percent.

Each year in Indiana 190,000 to 210,000 traffic crashes take place, which include 800 to 900 fatal crashes, 40,000 to 45,000 personal-injury crashes, and 150,000 to 160,000 property-damage crashes. The fatal crash events result in 900 to 950 persons deaths annually. Personal-injury crash events result in injuries to 55,000 to 60,000 persons, of which about 3,500 persons are seriously injured (incapacitating injury). The personal, societal, and economic costs of these crashes are staggering.

Factors contributing to traffic crashes and resulting losses are many, complex, and interrelated. Among them are driver behavior, including speeding, driving while impaired, aggressive driving, failure to use seatbelts, and operating a car or truck while drowsy or intoxicated. There are factors related to vehicle (e.g., tire tread, presence of on-board safety features like anti-lock brake etc.), enforcement (e.g. intensity of ticketing, patrolling), weather events, and circumstances relating to emergency responders. Also, the engineering status of the various elements of the physical road infrastructure is a factor in crash risk, such as the sharpness of curves, the shoulder width, the sight distance, and the condition of traffic control devices.

Since multiplicity of factors are associated with road safety, the countermeasures available to improve operating conditions at select sites are also numerous and diverse, often best employed from several aspects. These measures may include targeted police enforcement, (driver) education, or road engineering enhancement, as well as many other practices.

Before adequate safety countermeasures can be applied, the road network must be screened to identify locations that need safety improvements. This 2009 Five-Percent Report provides a list of Indiana locations with safety needs. This report also presents the screening method and the accompanied implementation effort. Since the 2008 Five-Percent Report, the following advancements have been made and incorporated in this year's report:

- ADT values were updated for all state roads with 2007 ADT data. Previously, ADT values were taken from HERS database for 2005.
- The latest 2008 crashes were assigned to segments and intersections. Selection and ranking criteria are based on crashes reported for the 2006-2008 period.
- The safety performance functions for state roads were re-estimated using the new 2008 crash data. The classification rules for grouping local roads with a similar safety level were also updated using the new data.
- Another important improvement is updating the Indiana average crash costs for various types of locations consistent with the screening method. This update has allowed more accurate estimation of the economic losses caused by crashes at screening locations.
- Unlike last year, the same ranking criterion based on the Crash Loss Index (I) was used to rank state and local roads. Crash loss significance level,  $p$ , is also provided as an alternative criterion.
- The percent of crashes geo-coded in 2008 reached 93% of reported crashes. This remarkable improvement in data quality has eliminated the need for assigning remaining crashes based on a less accurate supplementary method.
- The network representation had been checked for deficiencies and proper corrections were made. For example, nodes with bridges were identified and tagged prior to re-creating the intersection table to avoid including them among at-grade intersections.

## **2.0 Identification Method**

Road locations with severe safety needs are identified using the GIS transportation analysis package TransCAD. Most of the steps leading to the identification of the five percent locations were facilitated through the mapping features of TransCAD and the in-house developed tool HATNET<sup>1</sup>.

### ***Road Locations***

A *road location* is a road intersection, an interchange, or a road segment.

A *road intersection* is a portion of the roads within the intersection impact zone. The intersection impact zone is a circle around the intersection center with a radius of 250 ft. If the impact zones of adjacent intersections overlap, then the midpoint between the intersections determines their impact zones boundaries.

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<sup>1</sup> HATNET: A Hazardous Network Analysis tool developed in GISDK environment of TransCAD by CRS

A *road interchange* is a portion of the roads within the interchange impact zone. The interchange impact zone consists of freeway and non-freeway segments. For freeway segments the interchange zone extends 1500 ft beyond the farthest merging or diverging point. The non-freeway segments extend 250 ft beyond the farthest merging or diverging point.

A *road segment* is a road stretch between the intersection/interchange impact zones. Long road segments are divided into smaller parts to allow more specific location with safety needs (such as curves). Rural segments longer than 0.5 mile are divided into sub-segments whose lengths are as close to 0.5 mile as possible. Urban road segments longer than 0.25 mile are divided into sub-segments whose lengths are as close to 0.25 mile as possible.

Evaluated in the 2009 Five-Percent Report are 343,554 intersections (39,073 state intersections and 304,481 local intersections) and 672,337 road segments (46,724 state segments and 625,613 local segments). An additional 973 road interchange segments (374 freeway segments and 599 non-freeway segments) represent a total of 340 interchange facilities. Interchange facilities include diamond, full and partial clover-leaf, directional, trumpet, jug-handle and other types of facilities. All freeway interchange segments are part of the state road system while the non-freeway roadway segments can be state or local segments.

### ***Measures of Safety***

Crashes reported for the last three years (2006-2008) were assigned to intersections and road segments (including the interchange segments). Crash severity is classified in four categories:

1. Property damage only crashes (PDC),
2. Non-incapacitating injury crashes (NINC),
3. Incapacitating injury crashes (IINC), and
4. Fatal crashes (FTC).

The average cost of PDC and NINC crashes is \$7,500 while the average cost of one fatality is \$1,150,000 and one incapacitating injury is \$52,900 (source: National Safety Council, 2005, <http://www.nsc.org/lrs/statinfo/estcost.htm>). Therefore, the cost of a single crash is calculated as:

$$C = \$7,500 + \$52,900 \cdot IINP + \$1,150,000 \cdot FTP$$

where:

$C$  = crash cost (\$),  
 $IINP$  = incapacitating injuries (persons),  
 $FTP$  = fatalities (persons).

The average cost of a crash in a group of locations is the total crash loss divided by the number of crashes.

## ***Safety Performance Measures***

### **State Road Segments and Intersections**

The primary safety performance measure for state road intersections is the crash frequency (FTIINC), and for state road segments, the crash density (DEN\_FTIINC). The secondary measure is the Crash Loss Index (I). The two terms are discussed as follows.

1. The number of fatal and incapacitating injury crashes (FTIINC) at intersections and the density of these crashes (DEN\_FTIINC in crashes per mile) on road segments are measures that focus the road network screening on severe crashes.
2. The crash loss index (I) is a secondary but important measure of statistical significance. A value of the crash loss index higher than a threshold value (e.g. 2 or 3) indicates that the total crash loss at a location is significantly higher than the loss expected for the exposure and the type of location. Use of this indicator increases the chance that the identified locations are those with actual safety needs and not those experiencing a random flux of crashes.

The first criterion makes the selection process consistent with the current safety management goal of reducing the frequency of severe crashes while the second criterion makes the screening process statistically sound.

The crash loss index (I) is the difference between the actual crash loss and the expected crash loss divided by the standard deviation of the difference of estimates.

$$I = \frac{L - \bar{L}}{\sqrt{s_L^2 + s_{\bar{L}}^2}}$$

$$L = C_{PD} \cdot PD + C_{IF} \cdot IF$$

$$\bar{L} = C_{PD} \cdot a_{PD} + C_{IF} \cdot a_{IF}$$

$$s_L^2 = C_{PD}^2 \cdot PD + C_{IF}^2 \cdot IF$$

$$s_{\bar{L}}^2 = C_{PD}^2 \cdot a_{PD}^2 \cdot D_{PD} + C_{IF}^2 \cdot a_{IF}^2 \cdot D_{IF}$$

Where:

$I$  = the crash loss index,

$L$  = total crash loss during the analyzed period, in dollars,

$\bar{L}$  = expected crash loss during the analyzed period, in dollars,

$s_L^2$  = variance of the crash loss,

$s_{\bar{L}}^2$  = variance of the expected crash loss,

$PD$  = number of property-damage-only crashes in analyzed period,

$IF$  = number of injury and fatal crashes in analyzed period,

$C_{PD}$  = average PD crash cost, in dollars,  
 $C_{IF}$  = average IF crash cost, in dollars,  
 $a_{PD}$  = expected PDO crash frequency calculated with the safety performance functions given in Appendix C, in crashes/analyzed period,  
 $a_{IF}$  = expected IF crash frequency calculated with the safety performance functions given in Appendix C, in crashes/analyzed period,  
 $D_{PD}$  = over-dispersion parameter for  $a_{PD}$  estimate,  
 $D_{IF}$  = over-dispersion parameter for  $a_{IF}$  estimate.

For state roads significance of crash loss ( $p$ ) is also reported. The evidence of safety at a particular location is represented by a low likelihood of obtaining loss  $L$  or higher given the expected value  $\bar{L}$  and variance  $V$  :

$$p = P(X \geq L | \bar{L}, V)$$

where,  $V = s_{\bar{L}}^2$  = variance of the expected crash loss estimate.

The crash loss is a combination of several non-negative random variables. A gamma distribution is postulated which meets the requirement of non-negativity. The likelihood can be calculated as follows:

$$P(X \geq L | k, q) = L^{k-1} \frac{e^{-\frac{L}{q}}}{q^k \Gamma(k)} + \frac{g\left(k, \frac{L}{q}\right)}{\Gamma(k)}$$

Here,  $k$  and  $q$  are shape parameter and scale parameter for postulated gamma distribution, respectively, which can be related to the mean and variance as  $\bar{L} = kq$  and  $V = kq^2$

## Local Road Segments and Intersections

Estimating the expected crash costs and frequencies for local roads involves surrogate variables of exposure such as population density, household density, type of area (rural, urban or suburban), employment density (indicator of economic activity), and network characteristics (e.g. network or intersection density), etc. A modeling method based on a classification tree was selected to group similar road segments and intersections together and to estimate safety in these groups. Each road group (terminal node in the classification tree) is identified based on the generated classification rules. The classification process produces the expected crash cost (crash loss) for each road intersection group and the expected crash cost density (crash loss density) expressed in \$/mile for each segment group. In addition, the standard deviations of costs (cost densities) within each group are reported. The actual crash loss on a road is compared to the expected crash loss to verify if this road has safety needs.

For local road index of crass loss (I) is computed using the following sets of formula:

For local intersections:

$$I = \frac{L - \bar{L}}{\sqrt{s_L^2 + s_{\bar{L}}^2}}$$

$$L = C_{PD} \cdot PD + C_{IF} \cdot IF$$

$$s_L^2 = C_{PD}^2 \cdot PD + C_{IF}^2 \cdot IF$$

For local segments:

$$I = \frac{D - \bar{D}}{\sqrt{s_D^2 + s_{\bar{D}}^2}}$$

$$D = \frac{1}{S} (C_{PD} \cdot PD + C_{IF} \cdot IF)$$

$$s_D^2 = \frac{1}{S^2} (C_{PD}^2 \cdot PD + C_{IF}^2 \cdot IF)$$

$L$  = Actual crash loss for an intersection,

$\bar{L}$  = Typical crash loss given the substitute exposure (i.e. mean crash loss for a particular class of classification tree for intersections),

$D$  = Actual crash loss density for a road segment,

$\bar{D}$  = Typical crash loss density given the substitute exposure (i.e. mean crash loss density for a particular class of classification tree for segments),

$s_L^2, s_D^2$  = Variance of crash loss for an intersection or a segment,

$s_{\bar{L}}^2, s_{\bar{D}}^2$  = Crash loss variance in a road group (variance of crash loss for a road group in classification tree/total number of locations in the group),

$C_{PD}, C_{IF}$  = Average PDO and injury/fatal crash cost, in dollars for local roads,

$PD, IF$  = Number of PDO and injury/fatal crashes for local roads,

$S$  = length of segment (mile).

For estimating p, similar procedure described for state roads is applied. Here, for intersections the parameters are  $L, \bar{L}$  and variance= $(s_L^2 + s_{\bar{L}}^2)$ . For segments, the parameters are:  $D, \bar{D}$  &  $(s_D^2 + s_{\bar{D}}^2)$ .

Parameters for gamma distribution are calculated as follows:



$$\text{For intersections: } q = \frac{s_L^2 + s_{\bar{L}}^2}{\bar{L}} \text{ and } k = \frac{\bar{L}^2}{s_L^2 + s_{\bar{L}}^2}$$

$$\text{For segments: } q = \frac{s_D^2 + s_{\bar{D}}^2}{\bar{D}} \text{ and } k = \frac{\bar{D}^2}{s_D^2 + s_{\bar{D}}^2}$$

### 3.0 Five Percent List

The 2008 Five Percent Report identifies road locations with the most severe safety needs through selecting intersections and road segments that are experiencing fatal and severe crashes. The state/local road segments and intersections were then ranked using the crash loss index. The five percent selection was determined as follows:

#### For State Roads

State road intersections and segments were first pre-selected if they experienced at least two fatal or serious injury crashes (FTINC). The lists were combined and sorted in descending order first by FTINC and then by crash loss index (I). Then number of fatal and serious crashes was accumulated until it equaled five percent of the fatal and serious crashes that occurred on state road intersections and segments for the three year period of 2006 through 2008.

#### For Local Roads

Local road intersections and segments were pre-selected if they experienced at least two fatal or serious injury crashes. The lists were combined and they were also sorted in descending order first by FTINC and then by crash loss index (I). The number of fatal and serious crashes was accumulated until it equaled five percent of the fatal and serious crashes that occurred on local road intersections and segments for the three year period of 2006 through 2008.

#### Sites Identified

The two-step screening process has identified 282 locations with safety needs: 129 under state jurisdiction and 153 under local jurisdiction. The 129 state road locations include 18 segments and 111 intersections where 315 fatal and incapacitating injury crashes (FTINC) occurred during the study period. There were 153 locations under local jurisdiction were identified, of which 10 were segments and 143 were intersections. 384 FTINC crashes occurred on local segments and intersections. The total number of fatal and incapacitating injury crashes that occurred during the study period was 11,491; Therefore, the identified state road and local segments and intersections account for just less than 6% of the FTINC crashes during 2006 through 2008. Appendix A shows the five percent list of road locations for 2009. The five percent lists are presented by state jurisdiction segments, state jurisdiction intersections, local jurisdiction road segments

and local jurisdiction intersections. Each list is then sorted by county and then decreasing value of the Index of Crash Loss (I).

## **4.0 Conclusion**

The 2009 Five-percent Report uses a methodology similar to the one described in the 2008 report. One exception is that only crashes having geographic coordinates were assigned to road network. Improvement in data quality of 2008 crashes, where the percent of crashes geo-coded reached 93% of reported crashes, has eliminated the need for assigning remaining crashes based on a less accurate supplementary method.

The AADTs were updated with the 2007 data and construction crashes are reported separately from other crashes.

The screening of all local road segments and intersections was a major improvement for 2008 report. This year network was further checked to eliminate possible errors. HATNET was modified by eliminating some drawbacks within software environment for faster processing. Also the safety performance functions for state roads were estimated using new 2008 crash data.

The last important improvement is updating the Indiana average crash costs for various types of locations consistent with the screening method. This update has allowed more accurate estimation of economic losses caused by crashes at screening locations.

As mentioned earlier, multiple factors contribute to crash events, and for that reason, different countermeasures to reduce crash risk may be appropriate at different locations. For example, in some cases police enforcement is the most effective measure, while in others road engineering methods, such as road geometry or traffic control improvements, are most advisable. At other locations yet another combination of these treatments works best.

The methodology used in selecting Indiana's five percent locations is based on research conducted at Purdue University. The research report is available upon request.

## **5.0 Contact Person**

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## **Appendix A      Five Percent Report Lists**

### **List of Abbreviations used in table:**

No. of Fatal Crashes in 3 years	FTC
No. of Incapacitating Injury Crashes in 3 years	IINC
No. of Non Incapacitating Injury Crashes in 3 years	NINC
No. of Property-Damage-Only Crashes in 3 years	PDC
No. of Fatal and Injury Crashes in 3 years (Injury Crashes include Incapacitating, Non-incapacitating and Possible Injury Crashes)	INJFAT
No. of Person. Killed	FTP
No. of Person Seriously Injured	IINP
Index of Crash Loss	I
Significance of crash loss	P

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## 2009 Five Percent State Road Segments in Indiana

Length (Miles)	Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapaci- tating Injury Crashes (IINC)	No. Non- Incapacitating Injury Crashes (NINC)	No. Property- Damage- Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Signifi- cance of Crash Loss (P)
0.17	US 930(W Coliseum Blvd) from 0.88 mi W of US 27 (Lima Rd) E 0.17 mi to Clinton St	Fort Wayne	Allen	FORT WAYNE	0	2	3	23	8	0	3	3.10	0.00100
0.12	I-65/US-52 from 0.33 mi NW to 0.45 mi NW of the bridge carrying Hall Baker Rd/ S CR 100 E over I-65 (Exit 138)	Lebanon	Boone	CRAWFORDSVILLE	2	0	4	47	6	2	0	3.87	0.00000
0.08	I-65 from the bridge on E Stansifer Ave/ US 31 to 0.08 mi N	Clarksville	Clark	SEYMOUR	0	2	7	53	12	0	2	4.56	0.00000
0.26	I-265 within I-64 Interchange	New Albany	Floyd	SEYMOUR	1	3	8	76	18	1	3	4.41	0.00060
0.6	SR 64 from 2.03 mi to 2.63 mi E of the IN/ILL State Line(N CR 850 W to N CR 800W)	SE of Mount Carmel	Gibson	VINCENNES	1	1	2	53	4	1	2	3.56	0.00000
0.17	US 31 (N Meridian St) from 2.65 mi N to 2.82 mi N of I-465 (N Leg)	Carmel	Hamilton	GREENFIELD	0	2	4	21	7	0	2	3.11	0.00000
1.04	I-69 from 4.13 mi to 5.17 mi N of I-465 (N Leg)	Fishers	Hamilton	GREENFIELD	1	3	36	171	40	1	3	2.95	0.00640

## 2009 Five Percent State Road Segments in Indiana (Cont'd)

Length (Miles)	Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapaci- tating Injury Crashes (IINC)	No. Non- Incapacitating Injury Crashes (NINC)	No. Property- Damage- Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Signifi- cance of Crash Loss (P)
0.51	I-69 from the E 126th St bridge to 0.51 mi NE, approximately 2.15 mi E to 2.66 mi E of the SR 37/I-69 interchange	Fishers	Hamilton	GREENFIELD	0	3	7	30	10	0	3	2.53	0.00370
0.3	SR 58/SR 135 from 0.66 S to 0.36 mi S of the SR 58/SR 135 N jct (W 2nd St, in Freetown)	Freetown	Jackson	SEYMOUR	1	2	4	4	7	1	2	2.69	0.00000
0.21	US 31 from 4.87 mi S to 4.67 mi S of I-74 / I-465 (from the intersection with E County Line Road to 0.2 mi S)	Greenwood	Johnson	SEYMOUR	0	2	7	53	13	0	2	4.75	0.00000
0.16	US 30 from 0.16 to 0.32 mi W of the intersection with US 41	Schererville	Lake	LA PORTE	0	2	9	27	12	0	2	3.95	0.00000
0.55	SR 912 from 2.65 mi to 2.1 mi N of I-80	Hammond / Gary	Lake	LA PORTE	1	2	15	94	27	1	3	3.65	0.00560
0.24	US 41 from 0.47 mi N to 0.72 mi N of I-90 (Toll Rd)	Hammond	Lake	LA PORTE	1	1	2	17	10	1	1	3.20	0.00000
0.67	US 12/US 20/E Dunes Hwy from the I-90 Toll Road Bridge over US 12/US 20/E Dunes Hwy E 0.67 mi	Gary	Lake	LA PORTE	1	1	7	41	13	1	1	3.17	0.00020

## 2009 Five Percent State Road Segments in Indiana (Cont'd)

Length (Miles)	Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapaci- tating Injury Crashes (IINC)	No. Non- Incapacitating Injury Crashes (NINC)	No. Property- Damage- Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Signifi- cance of Crash Loss (P)
0.26	I-70 from 4.32 mi to 4.06 mi W of I-465 (E Leg)	Center	Marion	GREENFIELD	0	3	7	49	12	0	3	2.02	0.02460
0.32	SR 130 from US 30 N 0.43 mi	Valparaiso	Porter	LA PORTE	0	2	21	66	23	0	2	5.44	0.00000
0.31	I-94 from 1.35 mi to 1.66 mi W of the interchange with SR 49	Town of Porter	Porter	LA PORTE	1	2	3	31	6	1	3	2.38	0.00400
0.52	I-69 / US-27 from 2.95 mi S of US20 (at the bridge carrying S CR 325 W over I 69) NW 0.52 mi	SW of Angola	Steuben	FORT WAYNE	1	1	6	34	9	1	1	3.01	0.00000



## 2009 Five Percent State Road Intersections in Indiana

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 930 (E Coliseum Blvd) at N Clinton St (~ 1.14 mi E of US 27(Lima Rd))	Fort Wayne	Allen	FORT WAYNE	1	3	19	96	27	1	3	7.07	0.00000
Intersection of SR 930 (E Coliseum Blvd) at Crescent Ave(~ 2.17 mi E of US 27 (Lima Rd))	Fort Wayne	Allen	FORT WAYNE	0	3	14	83	19	0	3	6.61	0.00000
Intersection of SR 930 (W Coliseum Blvd) at Goshen Rd (~0.42 mi SE of I-69)	Fort Wayne	Allen	FORT WAYNE	0	3	11	82	16	0	4	5.73	0.00000
Intersection of US 27 (S Clinton St – S dir. of one-way pair) at W Jefferson Blvd (~ 3.99 mi S of I-69)	Fort Wayne	Allen	FORT WAYNE	0	2	8	47	11	0	2	4.99	0.00000
Intersection of SR 3 (Lima Rd) at W Ludwig Rd (~0.73 mi N of I-69)	Fort Wayne	Allen	FORT WAYNE	0	3	7	52	15	0	5	4.66	0.00000
Intersection of SR 930 (Coliseum Blvd) at Hobson Rd (~4.93 mi east of I-69)	Fort Wayne	Allen	FORT WAYNE	0	2	8	34	16	0	2	4.34	0.00000
Intersection of US 31(N National Rd) at 25th St (~7.65 mi SE of I-65/US 31 jct)	Columbus	Bartholomew	SEYMOUR	0	4	13	47	19	0	5	5.67	0.00000

## Five Percent State Road 2009 Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 31 at E CR 400 S (~1.61 mi S of SR 7)	Columbus	Bartholomew	SEYMOUR	0	2	8	16	10	0	2	3.50	0.00000
Intersection of SR 257 (Portersville Rd) at US 50 (E National Hwy)	Washington	Daviess	VINCENNES	1	3	11	21	18	1	3	4.49	0.00280
Intersection of SR 8 (W 7 <sup>th</sup> St) at Grandstaff Dr, (~0.53 mi E of I-69)	Auburn	Dekalb	FORT WAYNE	0	2	8	95	14	0	3	7.36	0.00000
Intersection of US 50(W Eads Pkwy) at Reese Dr. (~ 0.47 mi SW of SR 48)	Lawrenceburg	Dearborn	SEYMOUR	0	2	10	50	14	0	2	4.78	0.00000
Intersection of US 50(Eads Pkwy) at Sycamore Estate Dr (~1.64 mi W of SR 48)	Aurora	Dearborn	SEYMOUR	0	2	5	38	8	0	2	3.29	0.00090
Intersection of US 35/SR 3/SR 67 (Muncie Bypass) at E Centennial Ave (~ 1.0 mi N of SR 32)	Muncie	Delaware	GREENFIELD	0	3	7	8	13	0	6	3.05	0.00130
Intersection of SR 19 (Cassopolis Street) at SR 10 (Bristol Street), (~1.97 mi S of I-90 (Toll Rd))	Osceolo	Elkhart	FORT WAYNE	1	2	10	101	20	1	2	4.92	0.00020

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 19 (Cassopolis St) at Heaton Lake Rd (~0.46 mi S of I-80/ I-90 (Toll Road))	Elkhart	Elkhart	FORT WAYNE	0	2	12	72	19	0	3	4.14	0.00030
Intersection of SR 120 (E Jackson Blvd) at CR 17 (6 Span Road), (~3.85 mi SW of SR 15)	Washington	Elkhart	FORT WAYNE	0	2	3	43	7	0	3	3.99	0.00000
Intersection of US 33 / SR 15 (Main St) at SR 4 (E Lincoln Avenue)(~5.80 mi S of US 20)	Goshen	Elkhart	FORT WAYNE	0	3	7	54	10	0	3	3.25	0.00000
Intersection of SR 15 at CR 18 (~ 1.02 mi S of US 20)	Goshen	Elkhart	FORT WAYNE	0	2	5	14	8	0	2	3.09	0.00000
Intersection of SR 9 (S Western Ave) at W 16th St/W 17th St (~ .85 mi S of SR 18)	Marion	Grant	FORT WAYNE	0	3	7	42	12	0	3	4.11	0.00010
Intersection of US 31 (N Meridian St) at 116th St (~ 1.75 mi N of I-465(N leg))	Carmel	Hamilton	GREENFIELD	1	3	17	172	21	1	3	7.77	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 37 at E 146th Street, (~2.58 mi N of I-69)	Noblesville	Hamilton	GREENFIELD	0	3	9	81	22	0	3	6.42	0.00000
Intersection of US 31 (N Meridian Street) at E Greyhound Pass, (~5.99 mi N of I-465(N leg))	Carmel	Hamilton	GREENFIELD	0	2	7	88	21	0	2	6.02	0.00000
Intersection of SR 37 at Pleasant St (~0.44 mi S of SR 32)	Noblesville	Hamilton	GREENFIELD	0	2	8	72	15	0	2	5.20	0.00000
Intersection of SR 37 at E 131st St (~1.08 mi N of I-69)	Fishers	Hamilton	GREENFIELD	1	1	16	43	19	1	1	4.92	0.00000
Intersection of US 31 at E 161st St (~1.47 mi S of SR 32)	Westfield	Hamilton	GREENFIELD	0	3	7	37	17	0	3	4.55	0.00000
Intersection of US 31 at N Park St (~0.13 mi S of SR 32(W Main St))	Westfield	Hamilton	GREENFIELD	0	3	7	27	15	0	3	3.63	0.00010
Intersection of US 31 (N Meridian St) at 106th St (~0.75 mi N of I-465(N leg))	Carmel	Hamilton	GREENFIELD	0	4	7	82	12	0	4	2.86	0.00910
Intersection of SR 9 (N Main St) at McKenzie Rd (~1.48 mi S of I-70)	Greenfield	Hancock	GREENFIELD	0	2	23	69	26	0	2	6.18	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 40 (E Main Street) at S CR 600 E, (~4.26 mi E of SR 9)	Jackson	Hancock	GREENFIELD	0	2	6	27	10	0	2	3.74	0.00010
Intersection of N SR 9 (N Main) at W McClarnon Dr (~1.00 mi S of I-70)	Greenfield	Hancock	GREENFIELD	1	2	8	19	11	1	3	3.09	0.00130
Intersection of US 40 at Saratoga Pkwy / Moon Rd (~ 1.02 mi W from the W jct of US 40 / SR 267)	Plainfield	Hendricks	CRAWFORDSVILLE	0	2	9	40	13	0	2	4.45	0.00000
Intersection of US 40 (W Washington Street) at S Raceway Road, (~3.53 mi SW of I-465(W leg))	Indianapolis	Hendricks	CRAWFORDSVILLE	0	3	12	21	16	0	3	3.59	0.00000
Intersection of SR 3 (S Memorial Dr) at Parkview Dr (~1.22 mi S of SR 38)	New Castle	Henry	GREENFIELD	0	2	12	41	19	0	2	3.30	0.00140
Intersection of US 31 (S Reed Rd) at SR 26 (E Sycamore St), (~4.30 mi S of the S jct of US 35 / SR 22)	Kokomo	Howard	GREENFIELD	0	2	21	51	23	0	2	5.26	0.00000
Intersection of SR 22 (W Sycamore St) at N Dixon Rd (~ 3.68 mi W of US 31)	Kokomo	Howard	GREENFIELD	0	2	5	31	7	0	2	4.40	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 22 (E Markland Ave ) at S Apperson Way (~ 1.02 mi W of US 31)	Kokomo	Howard	GREENFIELD	0	3	8	26	11	0	3	3.98	0.00010
Intersection of US 31 (S Reed Rd) at E Alto Rd (~2.70 mi SW of the S jct of US 31 / US 35)	Kokomo	Howard	GREENFIELD	0	2	4	31	9	0	2	3.26	0.00030
Intersection of US 31 (S Reed Rd) at E Hoffer St (~0.71 mi S of the S jct of US 35 / SR 22)	Kokomo	Howard	GREENFIELD	0	2	6	32	8	0	2	3.04	0.00130
Intersection of US 50 (E Tipton St) at Meadowbrook Drive/Agrico Ln (~1.0 mi W of I-65)	Seymour	Jackson	SEYMOUR	0	2	8	72	11	0	2	5.41	0.00000
Intersection of US 31 at Whiteland Rd/Main St (~10.97 mi S of I-465 (S leg))	Whiteland (S. of Greenwood)	Johnson	SEYMOUR	0	3	16	57	24	0	3	6.74	0.00000
Intersection of US 31 at Tracy Rd (~6.0 mi N of SR 44)	New Whiteland	Johnson	SEYMOUR	0	2	14	53	20	0	3	4.30	0.00030
Intersection of US 41 (Indianapolis Blvd) at 45th Street, (~2.68 mi S of I-80 (Toll Road))	Highland	Lake	LA PORTE	0	2	18	112	20	0	2	8.04	0.00000

## Five 2009 Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 30 (E 81st Ave) at Rhode Island St (~ 0.37 mi W of I-65)	Merrillville	Lake	LA PORTE	1	1	18	133	22	1	1	6.85	0.00000
Intersection of SR 55 (Taft St) at Old Lincoln Hwy (~ 1.01 mi N of US 30)	Merrillville	Lake	LA PORTE	1	1	11	71	13	1	2	5.68	0.00010
Intersection of SR 53 (Broadway) at 45th Ave (~ 2.14 mi S of I-80/I-94)	Gary	Lake	LA PORTE	0	2	15	53	17	0	2	5.66	0.00000
Intersection of SR 912 (N Cline Ave) at Ridge Rd at (~1.28 mi S of I-80/I-94)	Highland	Lake	LA PORTE	0	2	12	99	14	0	2	5.40	0.00000
Intersection of SR 312 (Chicago Ave) at S Hohman Ave at (~ 0.45 mi W of US-41)	Hammond	Lake	LA PORTE	0	2	3	42	9	0	2	5.21	0.00000
Intersection of US 41 (Calumet Ave) at 118th St (~0.48 mi S of US 12/US 20)	Hammond	Lake	LA PORTE	0	2	1	52	9	0	2	5.03	0.00000
Intersection of SR 55 (Cleveland St) at W 57th St (~ 3.05 mi N of US 30)	Merrillville	Lake	LA PORTE	1	1	13	34	16	1	1	5.03	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 6 (E 37th Ave) at County Line Rd (~ 4.6 mi E of I-65)	Hobart	Lake	LA PORTE	0	2	11	35	13	0	4	4.77	0.00000
Intersection of US 41 (Indianapolis Blvd) at Old Lincoln Hwy, (~0.10 mi S of US 30 (N Lincoln Hwy))	Schererville	Lake	LA PORTE	0	2	11	54	14	0	2	4.79	0.00000
Intersection of SR 53 (Broadway Street) at E North Street (~ 1.34 mi N of US 231)	Crown Point	Lake	LA PORTE	0	2	9	51	12	0	3	4.48	0.00210
Intersection of SR 53 (Broadway) at 35th Ave (~ 0.86 mi S of I-94)	Gary	Lake	LA PORTE	1	1	6	37	10	1	1	4.26	0.00000
Intersection of SR 312 (W Chicago Ave) at Railroad Ave (~ .24 mi E of US 20)	East Chicago	Lake	LA PORTE	0	3	5	30	9	0	3	4.11	0.00000
Intersection of US 30 (Joliet Street) at Great Lakes Dr, (~1.61 mi W of US 41 (Indianapolis Blvd))	Dyer	Lake	LA PORTE	0	2	5	50	8	0	2	3.78	0.00010
Intersection of SR 53 (Broadway) at E 101st St (~2.37 mi N of US 231)	Crown Point	Lake	LA PORTE	0	2	4	33	6	0	2	3.71	0.00020



## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 12 (Dunes Hwy) at Utah St/E 7th Ave jct(~ 0.68 mi E of I-90)	Gary	Lake	LA PORTE	0	2	6	28	8	0	2	3.39	0.00020
Intersection of SR 55 (S Indiana Ave) at Greenview Dr(~ 0.95 mi S of US 231)	Crown Point	Lake	LA PORTE	0	2	6	11	8	0	2	3.12	0.00000
Intersection of US 41 (Indianapolis Blvd) at Martha St(~ 1.94 mi S of I-80/ I-94)	Highland	Lake	LA PORTE	1	1	6	37	9	1	3	3.06	0.00150
Intersection of SR 2 at Colorado St (~0.25 mi E of I-65)	Un-incorporated Lake Co	Lake	LA PORTE	0	3	5	32	8	0	3	3.01	0.01210
Intersection of US 421 (Franklin St) at W Kieffer Rd, (~0.53 mi N of I-94)	Michigan City	LaPorte	LA PORTE	0	2	10	48	13	0	2	4.26	0.00000
Intersection of US 421 at W CR 300 N (~0.45 mi S of I-94)	Michigan City	LaPorte	LA PORTE	1	1	7	13	10	1	1	3.32	0.00000
Intersection of US 421 (Franklin St) at US 20, (~1.53 N of I-94)	Michigan City	LaPorte	LA PORTE	1	2	15	87	20	1	2	2.52	0.00900
Intersection of SR 9 (Scatterfield Rd) at SR 236/E 53rd St, (~0.56 mi N of I-69)	Anderson	Madison	GREENFIELD	0	2	25	134	36	0	2	4.33	0.00040

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 36/SR 67 at SR 38 (~1.51 mi N from the S jct with SR 9)	Pendleton	Madison	GREENFIELD	0	2	14	68	16	0	2	3.75	0.00030
Intersection of US 40 (E Washington St) at S Mitthoeffer Rd, (~2.10 mi E of I-465 (E leg))	Indianapolis	Marion	GREENFIELD	0	2	27	92	31	0	2	7.34	0.00000
Intersection of US 36/SR 67 (Pendleton Pike) at N Franklin Rd (~0.55 mile NE of I-465 (E leg))	Lawrence	Marion	GREENFIELD	1	1	17	81	20	2	2	7.01	0.00000
Intersection of US 36 (Rockville Rd) at N Raceway Rd /N County Line Rd (~3.19 mi W of I-74/I-465(W leg))	Indianapolis	Marion	CRAWFORDSVILLE	0	2	23	102	29	0	2	6.89	0.00000
Intersection of US 40 (W Washington St) at S High School Rd (~0.32 mi SW of I-465 (W leg))	Indianapolis	Marion	CRAWFORDSVILLE	0	2	16	97	19	0	2	6.59	0.00000
Intersection of SR 67 (Kentucky Ave) at High School Rd (~0.66 mi SW of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	1	1	11	75	15	1	1	5.77	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
US 36/SR 67 (Pendleton Pike) at N Post Rd, (~1.60 mi NE of I-465(E leg))	Lawrence	Marion	GREENFIELD	0	2	24	55	27	0	3	5.57	0.00010
Intersection of US 136 (Crawfordsville Rd) at Country Club Rd / Dandy Trail(~1.85 mi NW of I-465(W leg))	Indianapolis	Marion	CRAWFORDSVILLE	0	2	6	50	9	0	2	5.16	0.00000
Intersection of US 36/SR 67 (Pendleton Pike) at E 56th St (~3.08 mi NE of I-465(E leg))	Lawrence	Marion	GREENFIELD	0	3	13	29	16	0	3	4.59	0.00000
Intersection of US 31 at Shelby St (~1.43 mi NW of Marion/Johnson Co Line)	Indianapolis	Marion	GREENFIELD	0	2	12	28	14	0	2	3.64	0.00010
Intersection of US 136 (Crawfordsville Rd) at SR 134 ( N Girl School Rd / River Chase Dr (~0.76 mi NW of I-465(W leg))	Indianapolis	Marion	CRAWFORDSVILLE	1	1	10	18	12	1	1	3.59	0.00010
Intersection of SR 67 (S Kentucky Ave) at Camby Rd (~3.83 mi SW of I-74/I 465(S leg))	Camby	Marion	GREENFIELD	0	2	8	27	12	0	2	3.32	0.00040

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection SR 45/SR 46 (E Matlock Road) at N Walnut St (~ 1.10 mi E of SR 37)	Bloomington	Monroe	SEYMOUR	0	2	12	66	15	0	2	6.02	0.00000
Intersection of SR 45/SR 46 Bypass at Kinser Pike (~ 0.93 mi E of SR 37)	Bloomington	Monroe	SEYMOUR	0	3	10	33	17	0	3	4.63	0.00000
Intersection of SR 48 (3rd Street) at SR 37(Ruel Steeler Memorial Hwy)(~1.89 mi NE of SR 46)	Bloomington	Monroe	SEYMOUR	0	2	11	44	16	0	2	4.55	0.00000
Intersection of SR 37 at W Fullerton Pike (~ 1.77 mi S of SR 45)	Monroe	Monroe	SEYMOUR	0	4	10	7	17	0	8	4.38	0.00600
Intersection of SR 37 S at Hospital Dr (~ 0.5 mi SW of SR 44)	Martinsville	Morgan	SEYMOUR	0	4	11	66	16	0	4	7.02	0.00000
Intersection of SR 37 at Burton Ln (~0.44 mi S of SR 39 (Morton Ave))	Martinsville	Morgan	SEYMOUR	0	2	11	18	13	0	2	4.37	0.01126
Intersection of SR 37 at Industrial Dr (~1.36 mi SW of SR 252(Hospital Dr))	Martinsville	Morgan	SEYMOUR	0	2	5	21	7	0	2	3.87	0.01468

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 49 at Indiana Boundary Road, (~0.57 mi SE of I-94)	Chesterton	Porter	LA PORTE	1	1	17	89	19	1	1	6.99	0.00000
Intersection of US 6 at N Calumet Ave, (~0.49 mi E of SR 49)	Valparaiso	Porter	LA PORTE	0	2	23	62	27	0	3	6.29	0.00000
Intersection of US 6 (Windsor Trail) at McCool Road, (~3.00 mi E of SR 51)	Portage	Porter	LA PORTE	0	3	21	41	27	0	3	6.21	0.00000
Intersection of US 6 at Willowcreek Rd (~2.03 mi S of I-90 (Toll Road))	Portage	Porter	LA PORTE	0	2	15	30	18	0	2	4.97	0.00000
Intersection of US 30 (E Lincoln Hwy) at N CR 475 W(Sedley Road), (~8.61 mi E of I-65)	Union	Porter	LA PORTE	1	2	14	42	18	1	2	4.67	0.00000
Intersection of US 20 at Waverly Road, (~0.48 mi SW of SR 49)	Chesterton	Porter	LA PORTE	0	3	11	20	14	0	5	4.16	0.00000
Intersection of US 20 (Melton Rd) at S County Line Rd (~0.23 mi W of I-94)	Gary	Porter	LA PORTE	1	1	10	22	13	1	1	4.15	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 49 at E CR 400 N (~1.63 mi N of Laporte Ave/SR 2 Interchange with SR 49)	Valparaiso	Porter	LA PORTE	3	2	4	23	11	3	3	3.29	0.00020
Intersection of US 20 at Wagner Rd (~0.46 mi N of I-94)	Chesterton	Porter	LA PORTE	1	4	3	14	8	1	4	3.20	0.00000
Intersection of US 6 at N CR 200 W (~3.03 mi W of SR 49)	Valparaiso	Porter	LA PORTE	1	2	4	13	8	1	2	3.01	0.00000
Intersection of US 20 (Melton Rd) at Dombey Rd (~0.27 mile E of I-94)	Portage	Porter	LA PORTE	2	1	4	7	8	2	1	2.60	0.00050
Intersection of SR 56 (W McClain Ave) at S Boatman Road, (~1.37 mi W of I-65)	Vienna	Scott	SEYMOUR	0	3	10	4	14	0	6	3.33	0.00340
Intersection of SR 23 (S Bend Ave) at Edison Rd / Black Oak Dr (~2.08 mi SW of I 80/I90 (Toll Rd))	South Bend	St. Joseph	LA PORTE	0	2	9	33	13	0	2	4.32	0.00000
Intersection of SR 933 (Lincoln Way E) at N Church St (~3.18 mi E of SR 23)	Mishawaka	St. Joseph	LA PORTE	0	3	14	31	18	0	3	3.49	0.00110

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of SR 23 / SR 933 (E Sample St) at Fellows St (~0.28 mi E of US 31(S Michigan St))	South Bend	St. Joseph	LA PORTE	0	2	10	19	15	0	2	3.40	0.00390
Intersection of US 52 (Sagamore Pkwy) at N Salisbury Street (~0.66 mi W of SR 443)	West Lafayette	Tippecanoe	CRAWFORDSVILLE	0	2	15	81	17	0	2	8.50	0.00000
Intersection of US 52 (Sagamore Pkwy) at Yeager Rd (~0.20 mi E of US 231)	West Lafayette	Tippecanoe	CRAWFORDSVILLE	0	2	11	70	17	0	4	6.58	0.00000
Intersection of US 52/US 231(W Sagamore Pkwy) at Cumberland Ave (~0.51 mi NW of the US 52/ US 231 jct)	West Lafayette	Tippecanoe	CRAWFORDSVILLE	0	2	19	70	21	0	2	6.30	0.00000
Intersection of SR 26 (South St) at 4th St(~0.31 mi E of the Wabash River)	Lafayette	Tippecanoe	CRAWFORDSVILLE	1	1	19	87	28	1	1	3.67	0.00100
Intersection of US 41 at Lynch Rd, (~2.54 mi S of SR 57 (Swope Rd))	Evansville	Vanderburgh	VINCENNES	2	0	9	58	22	2	0	5.13	0.00000
Intersection of SR 66 (E Lloyd Expy) at Stockwell Rd (~2.26 mi E of US 41)	Evansville	Vanderburgh	VINCENNES	0	2	6	68	19	0	2	5.13	0.00000

## 2009 Five Percent State Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of US 41 at Washington Ave, (~0.95 mi S of SR 62 (E Lloyd Expy))	Evansville	Vanderburgh	VINCENNES	0	2	9	46	15	0	3	4.86	0.00000
Intersection of SR 41/SR 62 at E Virginia St (~0.32 mi N of SR 66)	Evansville	Vanderburgh	VINCENNES	0	2	6	52	16	0	2	4.17	0.00040
Intersection of SR 62 (W Lloyd Expy) at N Wabash Ave (~ 2.74 mi W of US 41)	Evansville	Vanderburgh	VINCENNES	1	1	5	44	15	1	1	3.93	0.00020
Intersection of SR 57 at E Boonville New Harmony Rd, (~4.35 mi S of I-164)	Scott	Vanderburgh	VINCENNES	3	0	6	13	10	3	3	3.40	0.00000
Intersection of US 41 (Dixie Bee Rd) at E Harlan Dr (~ 6.20 mi S of I-70)	Terre Haute	Vigo	CRAWFORDSVILLE	0	3	7	28	12	0	4	3.98	0.00000
Intersection of SR 15 (N Case St) at W Harrison Ave (~0.45 mi SE of US 24)	Wabash	Wabash	FORT WAYNE	0	2	6	33	11	0	3	4.21	0.00060
Intersection of SR 1 (N Main St) at SR 124 (E Division Rd), (at the S jct of SR1 / SR124)	Bluffton	Wells	FORT WAYNE	0	2	8	45	12	0	3	4.45	0.00000



## 2009 Five Percent Local Road Segments in Indiana

Length (Miles)	Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapaci- tating Injury Crashes (IINC)	No. Non- Incapacitating Injury Crashes (NINC)	No. Property- Damage- Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Signifi- cance of Crash Loss (P)
0.24	Eastern Blvd (Old SR 62) interchange between the southbound and northbound on and off ramps on Eastern Blvd	Jeffersonville	Clark	SEYMOUR	1	1	16	46	21	1	2	3.91	0.00180
0.08	Meridian Street in Indianapolis from 10th Street to 11th Street	Indianapolis	Marion	GREENFIELD	0	2	17	46	19	0	2	5.64	0.00000
0.29	Sunnyside Road from 1.73 mi N of US 36 / SR 67 N to E 75th Street.	Indianapolis	Marion	GREENFIELD	0	3	11	21	15	0	4	4.52	0.00000
0.30	56th Street from the 56th Street bridge over I-465 to Caito Drive	Lawrence	Marion	GREENFIELD	0	2	9	30	12	0	2	4.50	0.00000
0.27	38th Street from the bridge over I-465 (E leg) to Franklin Road	Indianapolis	Marion	GREENFIELD	0	3	5	32	10	0	3	4.37	0.00000
0.23	21st Street from the 21st Street bridge over I-456 / I-74 (E leg) to west High School Rd	Indianapolis	Marion	GREENFIELD	0	3	6	28	10	0	3	4.22	0.00000

## 2009 Five Percent Local Road Segments in Indiana (Cont'd)

Length (Miles)	Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapaci- tating Injury Crashes (IINC)	No. Non- Incapacitating Injury Crashes (NINC)	No. Property- Damage- Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Signifi- cance of Crash Loss (P)
0.20	E 30th Street from the intersection at N. Milthoeffer Road to 0.20 mi E of the intersection, approximately 0.65 mi N of I-70	Indianapolis	Marion	GREENFIELD	0	2	7	22	11	0	2	4.12	0.00000
0.29	Post Rd from E on/off ramps N to the W on/off ramps	Indianapolis	Marion	GREENFIELD	1	2	5	15	8	1	4	3.46	0.00000
0.12	Gateway Blvd. from the intersection at SR 49/Calumet Road to 0.12 mi W, 0.18 mi N of I-90 (Toll Road)	Chesterton	Porter	LA PORTE	1	2	5	18	8	1	2	3.60	0.00000
0.21	Grape Road from the Intersection with Day Road to 0.21 mi N	Mishawaka	St. Joseph	LA PORTE	0	2	4	68	7	0	2	5.58	0.00000

## 2009 Five Percent Local Road Intersections in Indiana

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Stelhorn Rd at Maplecrest Rd (~3.45 mi W of I-469 (E leg))	Fort Wayne	Allen	FORT WAYNE	0	2	14	113	19	0	5	8.95	0.00274
Intersection of Crescent Ave at St Joe Rd / Hobson Rd (~0.65 mi NE of SR 930(E Coliseum Blvd))	Fort Wayne	Allen	FORT WAYNE	0	3	6	56	13	0	3	6.34	0.00558
Intersection of Crescent Ave at N Anthony Blvd (~0.61 mi SW of SR 930(E Coliseum Blvd))	Fort Wayne	Allen	FORT WAYNE	0	2	15	43	19	0	2	6.10	0.00601
Intersection of St. Joe Center Rd at Maplecrest Rd (~2.59 mi W of I-469 (E leg))	Fort Wayne	Allen	FORT WAYNE	0	2	10	41	15	0	3	5.75	0.00656
Intersection of Illinois Road at Getz Road (~ 0.47 mi E of I-69)	Fort Wayne	Allen	FORT WAYNE	0	2	7	32	14	0	2	5.20	0.00824
Intersection of Lake Ave at N Anthony Blvd (~1.42 mi W of SR 930(N Coliseum Blvd))	Fort Wayne	Allen	FORT WAYNE	0	2	7	31	13	0	2	5.10	0.00820
Intersection of E State Blvd at Parnell Ave(~0.29 mi E of SR 1(Spy Run Ave))	Fort Wayne	Allen	FORT WAYNE	0	2	8	26	13	0	2	4.84	0.00894

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of W Paulding Rd at Fairfield Ave (~0.58 mi W of US-27)	Fort Wayne	Allen	FORT WAYNE	1	1	4	28	11	2	1	4.80	0.00833
Intersection of E State Blvd at Beacon St (~0.80 mi W of SR 930(N Coliseum Blvd))	Fort Wayne	Allen	FORT WAYNE	0	2	6	30	10	0	3	4.73	0.00995
Intersection of Maplecrest Rd at Rothman Rd (~0.70 mi S of I-469(N leg))	Fort Wayne	Allen	FORT WAYNE	0	2	8	22	14	0	4	4.72	0.00917
Intersection of Trier Rd at Maplecrest Rd (~2.25 mi E of SR 930)	Fort Wayne	Allen	FORT WAYNE	0	2	8	18	11	0	3	4.23	0.01000
Intersection of E Tillman Rd at Minnich Rd (~1.32 mi E of I-469 (E leg))	Fort Wayne	Allen	FORT WAYNE	3	0	2	8	5	3	1	2.81	0.01344
Intersection of Hawcreek Blvd / Central Ave at 8th St(~1.56 mi S of US 31(N National Rd))	Columbus	Bartholomew	SEYMOUR	0	2	10	18	12	0	2	4.18	0.01271
Intersection of N Wheeling Ave at W Riggins Rd(~3.29 mi SE of SR 28)	Muncie	Delaware	GREENFIELD	0	2	8	18	16	0	2	4.83	0.00453

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of S Main St at W Jackson Blvd (~1.07 mi S of SR 19)	Elkhart	Elkhart	FORT WAYNE	1	1	10	70	15	1	1	6.97	0.00424
Intersection of CR 17(6 Span Rd) at E Bristol St (~0.4 mi N of SR 120)	N/A	Elkhart	FORT WAYNE	0	2	5	60	10	0	2	6.50	0.00429
Intersection of N 2nd St at W Jackson Blvd(~1.93 mi NE of SR 19(S Nappanee St))	Elkhart	Elkhart	FORT WAYNE	0	2	10	41	15	0	2	5.65	0.00689
Intersection of Brooks School Rd at E 116th St (~1.79 mi S of I-69)	Fishers	Hamilton	GREENFIELD	0	2	11	50	14	0	2	6.15	0.00540
Intersection of 146th St at Gray Rd (~1.98 mi E of US 31)	Carmel	Hamilton	GREENFIELD	1	1	5	45	8	1	1	5.56	0.00694
Intersection of E 131st St at Penneagle Dr (~4.75 mi E of US 31)	Carmel	Hamilton	GREENFIELD	0	3	13	21	16	0	4	4.91	0.00733
Intersection of N Fortville Pike at W New Rd (~0.53 mi S of I-70)	Greenfield	Hancock	GREENFIELD	0	2	11	17	13	0	3	4.46	0.00541

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Stafford Rd at Perry Rd (~0.84 mi E of SR 267)	Plainfield	Hendricks	CRAWFORDSVILLE	2	2	12	83	22	2	3	7.99	0.00220
Intersection of W Lincoln Rd at S Washington St (~0.91 mi W of US 31(S Reed Rd))	Kokomo	Howard	GREENFIELD	0	3	8	40	11	0	3	5.52	0.00449
Intersection of Smith Rd at N Apperson Way (~0.34 mi W of US 31)	Kokomo	Howard	GREENFIELD	0	3	6	31	10	0	3	4.88	0.00828
Intersection of E Lincoln Rd at S Lafountain St(~0.75 mi W of US 31(S Reed Rd))	Kokomo	HOWARD	GREENFIELD	0	3	7	19	10	0	3	4.25	0.00637
Intersection of Kennedy Ave at 169th St(~ 1.01 mi N of I-94)	Hammond	Lake	LA PORTE	1	2	10	76	24	1	2	7.77	0.00336
Intersection of Calumet Ave at Broadmoor Ave (~0.50 mi S of I-80/I-94)	Munster	Lake	LA PORTE	0	2	5	74	10	0	2	7.14	0.00436
Intersection of 109th St at Randolph St (~4.28 mi E of I-65)	Winfield	Lake	LA PORTE	0	3	8	68	13	0	3	7.00	0.00312

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of W Glen Park Ave at N Broad St (~2.25 mi E of US 41)	Griffith	Lake	LA PORTE	0	3	10	36	14	0	3	5.47	0.00648
Intersection of 61st Ave at Mississippi St (~0.16 mi E of I-65)	Merrillville	Lake	LA PORTE	0	2	10	25	13	0	2	4.92	0.00335
Intersection of Michigan Ave at Guthrie St (~0.18 mi SW of SR 912(Cline Ave))	East Chicago	Lake	LA PORTE	0	3	4	30	10	0	3	4.65	0.01011
Intersection of Kennedy Ave at 165th St(~1.00 mi S of US 20)	Hammond	Lake	LA PORTE	0	2	3	29	8	0	4	4.59	0.00949
Intersection of Columbia Ave at 173rd Street(~0.48 mi N of I-94)	Hammond	Lake	LA PORTE	0	2	3	14	11	0	3	3.95	0.01267
Intersection of Colfax St at W 27th Ave (US 6/I-94 underpass)	Gary	Lake	LA PORTE	2	0	2	23	5	2	0	3.92	0.01320
Intersection of Franklin St at Barker Rd(~0.49 mi N of US 20)	Michigan City	LaPorte	LA PORTE	0	2	5	29	8	0	2	4.41	0.01114

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of E 38th St at Columbus Ave (~0.75 mi W of SR 9)	Anderson	Madison	GREENFIELD	1	1	7	35	15	1	1	5.50	0.00632
Intersection of E 19th St at Main St (~0.43 mi E of SR 9 (Dr Martin Luther King Jr Blvd))	Anderson	Madison	GREENFIELD	0	2	7	16	10	0	2	3.82	0.01514
Intersection of W 79th St at Michigan Rd (~1.90 mi SE of I-465(N leg))	Indianapolis	Marion	GREENFIELD	0	3	29	130	39	0	3	10.10	0.00223
Intersection of N Michigan Road at 86th Street (~0.89 mi SE of I-465 (N leg))	Indianapolis	Marion	GREENFIELD	0	2	16	134	19	0	2	9.60	0.00200
Intersection of E Southport Rd at S Emerson Ave (~0.37 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	4	27	119	33	0	4	9.55	0.00249
Intersection of Georgetown Rd at W 56th St (~1.00 mi N of I-65)	Indianapolis	Marion	GREENFIELD	0	2	23	121	26	0	2	9.39	0.00257
Intersection of W 38th Street at Lafayette Road (~2.16 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	2	2	16	120	26	4	3	9.33	0.00259



## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of W 38th Street at Moller Rd. (~ 1.00 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	0	2	28	111	34	0	2	9.30	0.00249
Intersection of S Shelby St at Raymond St (from I-65, ~0.13 mi W on Raymond St )	Indianapolis	Marion	GREENFIELD	0	6	25	88	38	0	6	8.85	0.00278
Intersection of E 38th St at N Post Rd (~1.14 mi E of I-465(E leg))	Indianapolis	Marion	GREENFIELD	0	2	26	84	34	0	2	8.50	0.00313
Intersection of S Emerson Ave at E Thompson Rd (~0.60 mi S of I-74), at SE Corner of Beech Grove	Indianapolis	Marion	GREENFIELD	0	3	23	80	27	0	7	8.11	0.00200
Intersection of E Stop 11 Rd at Madison Ave (~ 0.80 mi E of US 31)	Indianapolis	Marion	GREENFIELD	0	2	18	85	21	0	4	7.94	0.00357
Intersection of Dr Martin Luther King Jr St at W 11th St (~0.16 mi SW of I-65)	Indianapolis	Marion	GREENFIELD	0	2	13	83	15	0	2	7.53	0.00350
Intersection of Dr Martin Luther King Jr Street / Michigan Rd at W 38th Street( ~ 0.95 mi N of I-65)	Indianapolis	Marion	GREENFIELD	1	5	18	66	25	1	5	7.46	0.00355

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of E South Street at S Scioto St ( ~ 0.75 mi W of I-65 / I-70)	Indianapolis	Marion	GREENFIELD	0	2	15	78	17	0	2	7.46	0.00404
Intersection E County Line Rd at N Meridian St(~1.09 mi E of US-31)	Indianapolis	Marion	GREENFIELD	0	3	29	45	35	0	3	7.32	0.00386
Intersection of W 10th St at N Tibbs Avenue ( ~ 2.90 mi E of I-465 ( W leg))	Indianapolis	Marion	GREENFIELD	0	3	26	54	31	0	4	7.30	0.00422
Intersection of W Rockville Rd at N Lynhurst Dr (~ 0.85 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	0	2	15	69	17	0	2	7.12	0.00443
Intersection of W 71st St / Westlane Rd at Michigan Rd(~3.00 mi E of I-465(W leg))	Indianapolis	Marion	GREENFIELD	0	2	12	71	15	0	2	7.08	0.00448
Intersection of N Shadeland Ave at E 30th Street ( ~ 0.87 mi N of I-70)	Indianapolis	Marion	GREENFIELD	0	2	22	56	24	0	2	6.97	0.00464
Intersection of E 37th Street at N College Avenue( from I-65, ~3.00 mi E on 38th St to ~0.02 mi S on College Ave)	Indianapolis	Marion	GREENFIELD	0	2	18	57	22	0	5	6.83	0.00473

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of E 38th Street and Franklin Road ( ~ 0.27 mi E of I-465 (E leg))	Indianapolis	Marion	GREENFIELD	0	3	15	56	20	0	4	6.72	0.00501
Intersection of N Emerson Avenue at E 38th Street ( ~ 1.60 mi N of I-70)	Indianapolis	Marion	GREENFIELD	0	3	16	55	19	0	4	6.64	0.00497
Intersection of W 29th St at N Illinois St (~0.37 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	4	21	37	29	0	4	6.56	0.00525
Intersection of S Holt Road at W Morris Street ( ~ 0.17 mi S of I-70)	Indianapolis	Marion	GREENFIELD	0	3	17	49	21	0	4	6.50	0.00533
Intersection of E Washington St at N College Ave (~0.12 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	2	14	53	18	0	2	6.40	0.00533
Intersection of W 10th Street at N Vinewood / Beachway Drive ( ~ 0.24 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	1	1	10	57	13	1	2	6.28	0.00531
Intersection of S Rural Street at E Pearl Street ( ~ 2.04 mi S of I-70)	Indianapolis	Marion	GREENFIELD	0	2	17	40	22	0	4	6.15	0.00593

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of E Washington Street at S East Street ( ~ 0.33 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	2	16	45	18	0	3	6.06	0.00603
Intersection of E Raymond Avenue at S Keystone Avenue ( ~ 0.87 mi E of I-65)	Indianapolis	Marion	GREENFIELD	1	1	20	30	24	1	1	5.98	0.00571
Intersection of N Post Road at 42nd Street ( ~ 2.27 mi N of I-70)	Lawrence	Marion	GREENFIELD	0	2	13	44	16	0	2	5.93	0.00640
Intersection of E 29th St at N Meridian St (~0.49 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	4	14	42	18	0	4	5.92	0.00632
Intersection of W 16th Street at N Illinois Street ( ~ 0.41 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	2	10	50	12	0	3	5.88	0.00611
Intersection of E Market Street at N East Street ( ~ 0.32 mi W of I-65 / I-70)	Indianapolis	Marion	GREENFIELD	0	2	15	42	17	0	3	5.85	0.00647
Intersection of Dr Martin Luther King Jr St at W 29th St (~0.25 mi SE of I-65)	Indianapolis	Marion	GREENFIELD	0	2	8	43	13	0	3	5.75	0.00610

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of E 30th St at N Central Ave (~0.91 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	2	25	19	27	0	4	5.72	0.00687
Intersection of N Keystone Ave at E 34th St (~1.50 mi N of I-70)	Indianapolis	Marion	GREENFIELD	0	2	16	35	19	0	2	5.70	0.00689
Intersection of Guion Road at E 38th Street (~ 0.02 mi S of I-65)	Indianapolis	Marion	GREENFIELD	0	2	5	46	9	0	2	5.66	0.00663
Intersection of Fall Creek Rd at N Shadeland Ave (~0.06 mi E of I-465 (E leg))	Indianapolis	Marion	GREENFIELD	0	4	15	29	20	0	5	5.65	0.00567
Intersection of S East Street at E Mills Road / Southern Plaza Drive (~ 0.38 mi N of I-465 (S leg))	Indianapolis	Marion	GREENFIELD	0	2	15	35	17	0	4	5.63	0.00669
Intersection of E Washington St at N Arlington Ave (~ 1.81 mi W of I-465(E leg))	Indianapolis	Marion	GREENFIELD	1	1	13	38	16	1	1	5.59	0.00710
Intersection of N Meridian Street at E 91st Street (~ 0.73 mi S of I-465 (N leg))	Indianapolis	Marion	GREENFIELD	0	2	15	33	17	0	2	5.50	0.00733
Intersection of E 56th Street at Shadeland Way (~ 0.30 mi W of I-465 (E leg))	Lawrence	Marion	GREENFIELD	0	2	11	34	16	0	3	5.50	0.00701

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of W Washington St at N Capitol Ave (~0.98 mi W of I-70)	Indianapolis	Marion	GREENFIELD	0	2	6	44	8	0	2	5.32	0.00722
Intersection of W 34th Street at N High School Road (~ 0.29 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	0	2	7	39	11	0	4	5.24	0.00786
Intersection of Mann Road at W Southport Road (~ 2.29 mi S of I-465(S leg))	Indianapolis	Marion	GREENFIELD	0	3	18	15	21	0	4	5.18	0.00372
Intersection of Crawfordsville Rd at N Lynhurst Dr(~1.15 mi E of I-74)	Speedway	Marion	GREENFIELD	0	2	9	33	14	0	2	5.18	0.00827
Intersection of E 30th St at N College Ave (~1.17 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	2	9	37	11	0	2	5.13	0.00824
Intersection of Lafayette Rd at W 46th St(~0.20 mi SE of I-65)	Indianapolis	Marion	GREENFIELD	0	2	10	34	12	0	3	5.13	0.00850
Intersection of E 30th St at N Franklin Rd(~0.22 mi E of US 36)	Indianapolis	Marion	GREENFIELD	0	3	7	35	11	0	3	5.10	0.00861

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Madison Ave at E McCarty St (~0.20 mi N of I-70)	Indianapolis	Marion	GREENFIELD	0	2	9	33	12	0	2	5.07	0.00867
Intersection of E Raymond St at S Meridian St (~ 1.15 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	2	10	32	12	0	2	5.02	0.00884
Intersection of E 34th St at N Arlington Ave and Massachusetts Ave (~0.82 mi N of I-70)	Indianapolis	Marion	GREENFIELD	1	1	11	28	14	1	1	4.99	0.00885
Intersection of E Edgewood Ave at S Emerson Ave (~1.00 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	2	8	33	11	0	2	4.99	0.00898
Intersection of Kessler Blvd E Dr at Binford Blvd(~2.60 mi W of I-465(E leg))	Indianapolis	Marion	GREENFIELD	0	2	11	27	13	0	2	4.98	0.00571
Intersection of N Post Rd at E 10th St (~1.28 mi S of I-70)	Indianapolis	Marion	GREENFIELD	0	2	8	27	13	0	3	4.93	0.00770
Intersection of W 56th Street at High School Road (~ 0.28 mi E of I-465(W leg))	Indianapolis	Marion	GREENFIELD	1	4	7	24	13	1	5	4.84	0.00494

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of W 29th St at N Harding St (~1.14 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	3	8	26	12	0	4	4.78	0.00820
Intersection of W 16th Street at N Pershing Road / Lafayette Road ( ~ 4.37 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	0	2	5	33	7	0	2	4.77	0.00913
Intersection of Harcourt Rd at W 79th St (~2.35 mi S of I-465(N leg))	Indianapolis	Marion	GREENFIELD	0	2	10	24	12	0	2	4.63	0.00972
Intersection of E Hanna Ave at S Keystone Ave (~0.54 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	2	8	26	10	0	4	4.55	0.01028
Intersection of W Washington Ave at N Tibbs Ave ( ~ 3.00 mi NE of I-465(W leg))	Indianapolis	Marion	GREENFIELD	1	1	10	23	12	1	1	4.53	0.01064
Intersection of E Troy Ave at Madison Ave (~0.94 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	2	5	27	8	0	2	4.53	0.00758
Intersection of W 86th St at Harcourt Rd (~4.03 mi E of I-465(W leg))	Indianapolis	Marion	GREENFIELD	0	2	6	28	8	0	2	4.43	0.01133



## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of N Arlington Ave at E 38th St (~1.32 mi N of I-70)	Indianapolis	Marion	GREENFIELD	0	2	11	17	13	0	2	4.35	0.01056
Intersection of S West St / W Morris St at S Missouri St(~0.14 mi S of I-70)	Indianapolis	Marion	GREENFIELD	0	2	6	23	9	0	2	4.22	0.01237
Intersection of W 86th St at Northwest Blvd(~0.19 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	0	2	2	29	4	0	2	4.19	0.01242
Intersection of Michigan Rd at Depauw Blvd(~0.27 mi S of I-465 (N leg))	Indianapolis	Marion	GREENFIELD	0	2	4	28	6	0	3	4.16	0.01227
Intersection of E 71st St at Allisonville Rd (~1.22 mi W of I-96)	Indianapolis	Marion	GREENFIELD	0	2	5	23	7	0	2	4.11	0.01156
Intersection of Kessler Blvd N Dr/Cooper Rd at W 56th St(~2.03 mi N of I-65)	Indianapolis	Marion	GREENFIELD	1	1	7	17	10	1	3	4.01	0.01261
Intersection of Madison Ave at Nelson Ave (~1.78 mi S of I-70)	Indianapolis	Marion	GREENFIELD	1	1	6	16	9	1	1	3.93	0.00871

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Lafayette Rd at W 62nd St (~0.26 mi NW of I-465(W leg))	Indianapolis	Marion	GREENFIELD	0	3	2	23	5	0	4	3.92	0.01320
Intersection of N Warman Ave at W Washington St (~0.66 mi N of I-70)	Indianapolis	Marion	GREENFIELD	1	1	6	20	8	2	1	3.91	0.01425
Intersection of N Minnesota Street at S Lawndale Avenue( ~ 0.03 mi E of I-465 (W leg))	Indianapolis	Marion	GREENFIELD	1	1	6	19	8	1	1	3.85	0.01469
Intersection of E 10th St at N Linwood Ave (~ 2.55 mi W of I-65)	Indianapolis	Marion	GREENFIELD	0	2	6	17	8	0	2	3.76	0.01444
Intersection of N Meridian St at W 75th St (~2.75 mi S of I-465 (N leg))	Meridian Hills	Marion	GREENFIELD	0	2	8	13	10	0	2	3.76	0.01390
Intersection of E Washington St at Sadlier Dr (~ 0.35 mi W of I-465 (E leg))	Indianapolis	Marion	GREENFIELD	1	1	3	21	6	1	1	3.75	0.01559
Intersection of N Capitol Ave at W 10th St (~0.12 mi S of I-65)	Indianapolis	Marion	GREENFIELD	0	3	7	13	10	0	3	3.63	0.01664

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of N Sherman Dr at E 30th St (~0.94 mi N of I-70)	Indianapolis	Marion	GREENFIELD	0	3	4	16	7	0	3	3.57	0.01605
Intersection of S Lynhurst Drive at Springsong Drive (~0.39 mi S of I-70)	Indianapolis	Marion	GREENFIELD	1	2	2	16	6	2	2	3.50	0.01519
Intersection of Michigan Road at Cold Spring Road (~3.04 mi NW of I-65)	Indianapolis	Marion	GREENFIELD	1	2	4	14	7	1	3	3.48	0.01475
Intersection of S Keystone Ave at E Murry St (~0.24 mi N of I-65)	Indianapolis	Marion	GREENFIELD	0	3	4	12	7	0	5	3.28	0.01830
Intersection of S Post Rd at E Raymond St (~0.41 mi S of US 52)	Indianapolis	Marion	GREENFIELD	0	3	3	10	6	0	4	3.11	0.01338
Intersection of S Belmont Ave at W Morris St (~0.34 mi S of I-70)	Indianapolis	Marion	GREENFIELD	0	3	2	14	5	0	6	3.08	0.02243
Intersection of W 27th St at N Illinois St(~0.36 mi E of I-65)	Indianapolis	Marion	GREENFIELD	0	3	3	13	6	0	3	3.04	0.02333

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of N German Church Rd at E 52nd St (~0.96 mi S of US 36)	Lawrence	Marion	GREENFIELD	0	3	2	7	5	0	3	2.54	0.02832
Intersection of Madison Ave at E Perry St (~1.59 mi NW of I-465(S leg))	Indianapolis	Marion	GREENFIELD	2	1	1	9	4	2	2	2.53	0.02967
Intersection of E Winslow Rd/County Club Dr/W Tapp Rd at S Walnut Street Pike(~2.37 mi E of SR 37)	Bloomington	Monroe	SEYMOUR	0	2	15	40	19	0	2	5.91	0.00637
Intersection E Main St / W Main St at S Indiana St / N Indiana St (~0.17 mi N of SR 144)	Mooresville	Morgan	CRAWFORDSVILLE	1	2	3	19	6	1	3	3.79	0.01047
Intersection of Glendale Blvd at Calumet Ave (~1.50 mi W of SR 49)	Valparaiso	Porter	LA PORTE	0	2	6	44	10	0	2	5.44	0.00712
Intersection of N Meridian Rd at W CR 700 N / E CR 700 N (~ 1.00 mi S of US-6)	Valparaiso	Porter	LA PORTE	1	1	14	15	17	1	1	4.77	0.00543
Intersection of Central Ave at County Line Rd (~0.95 mi E of US 6(Ripley St))	Portage / Lake Station	Porter / Lake	LA PORTE	1	1	5	15	8	1	1	3.77	0.00801

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Mulberry Ave at Willowcreek Rd (~0.57 mi S of I-80/90 (Toll Road))	Portage	Porter	LA PORTE	0	4	3	13	9	0	4	3.74	0.00925
Intersection of Evans Ave at Roosevelt Rd (~1.35 mi W of SR 49)	Valparaiso	Porter	LA PORTE	0	3	5	13	8	0	3	3.35	0.01944
Intersection of N Main St at W Edison Rd (~1.49 mi S of I-80)	Mishawaka	St Joseph	LA PORTE	1	3	22	87	35	1	4	8.65	0.00303
Intersection of W Western Ave at S Walnut St (~1.00 mi W of SR 933)	South Bend	St Joseph	LA PORTE	0	2	17	41	22	0	5	6.31	0.00472
Intersection of Grape Rd at Indian Ridge Blvd (~0.23 mi S of I-90)	Mishawaka	St Joseph	LA PORTE	0	2	10	53	13	0	2	6.28	0.00420
Intersection of S Ironwood Dr at Mishawaka Ave (~0.50 mi N of SR 933)	South Bend	St Joseph	LA PORTE	0	2	10	51	14	0	4	6.05	0.00585
Intersection of Grape Rd at W Cleveland Rd (~0.53 mi N of I-90)	Granger	St Joseph	LA PORTE	0	2	10	32	14	0	3	5.20	0.00824

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Edison Avenue at N Ironwood Dr ( ~ 0.37 mi E of SR 23)	South Bend	St Joseph	LA PORTE	0	2	7	31	10	0	2	4.96	0.00532
Intersection of Portage Rd at W Cleveland Rd(-0.04mi N of I-80/I-90(Toll Road))	South Bend	St Joseph	TOLL ROAD	0	2	6	23	10	0	2	4.47	0.00716
Intersection of W Sample St at S Walnut St(-0.49 mi W of SR 2(Prairie Ave)/Chapin St)	South Bend	St Joseph	LA PORTE	0	2	6	22	9	0	2	4.20	0.01188
Intersection of E La Salle Ave at N Niles Ave(-0.31 mi of SR 933)	South Bend	St Joseph	LA PORTE	0	3	2	21	5	0	3	3.53	0.01719
Intersection of Washington Ave at S Weinbach Ave (-0.75 mi E of US 41)	Evansville	Vanderbutgh	VINCENNES	0	3	14	33	27	0	3	6.26	0.00576
Intersection of S 7th St at E Margaret Dr(-0.18 mi N of I-70)	Terre Haute	Vigo	CRAWFORDSVILLE	0	2	7	26	9	0	2	4.50	0.00959
Intersection of E Springhill Dr at S 7th St(-0.39 mi E of US 41)	Terre Haute	Vigo	CRAWFORDSVILLE	0	2	3	26	5	0	2	4.34	0.00248

## 2009 Five Percent Local Road Intersections in Indiana (Cont'd)

Location	City / Town	County	District	No. Fatal Crashes (FTC)	No. Incapacitating Injury Crashes (IINC)	No. Non-Incapacitating Injury Crashes (NINC)	No. Property-Damage-Only Crashes (PDC)	No. Fatal and Injury Crashes (INJFAT)	No. Persons Killed (FTP)	No. Persons Seriously Injured (IINP)	Crash Loss Index (I)	Significance of Crash Loss (P)
Intersection of Ford Harrison Rd at N Fruitridge Ave (~2.46 mi E of US 41)	Terre Haute	Vigo	CRAWFORDSVILLE	0	2	10	17	13	0	2	4.31	0.01151
Intersection of W Water St at State St (~1.80 mi W of SR 66)	Newburgh	Warrick	VINCENNES	0	2	5	19	9	0	2	4.12	0.00822